## Index of Claims

|  | App | lication | No. |
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09/782,586

Examiner

Chongshan Chen

Applicant(s)

ARONOFF ET AL.

Art Unit

2172

| <b>√</b> | Rejected |
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| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

| A | Appeal   |
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|          |  |                   |              | _        |          | -              | D-4                |              |  |          |              |
| Cla      |  |                   | Τ            |          |          |                | Date               | <u> </u>     |  |          | $\dashv$     |
| _        | Original                                     | 33                | ١,           |          | 4        |                |                    |              |  |          |              |
| Final    | gi   | 0/0               | POINIC       | 2        | 9        |                |                    |              |  |          | ľ            |
| ፲፲       | Ö  | 6/10/03           | 6            | ò        | 8/19/04  |                |                    |              |  |          |              |
|          |  |                   | L            | _        | ļ,       | _              | <u> </u>           |              |  |          |              |
|          | 1  | V                 | <u>\</u>     |          | <u> </u> |                |                    |              | <u> </u>   |          |              |
|          | 2  | 个                 | $\mathbb{Z}$ | Ĺ        | 1        |                | ļ.,_               |              |  |          |              |
|          | 3  |                   |              |          |          |                | <u></u>            |              |  |          |              |
|          | 4  | П                 |              |          |          | <u> </u>       |                    |              |  |          |              |
|          | 1<br>2<br>3<br>4<br>5<br>6                   |                   | П            |          |          |                | 1                  |              |  |          |              |
|          | 6  | П                 | П            | [        | П        |                |                    |              |  |          |              |
|          | 7  |                   | П            | Γ        | П        |                |                    |              |  |          |              |
|          | 8  | П                 | Т            | Γ        | П        |                | Π                  |              |  |          |              |
|          | 9  | П                 | T            | Т        | П        |                |                    |              | П  |          |              |
|          | 10   | Π                 | Τ            | Τ        |          |                |                    | 1            |  |          |              |
|          | 11   | П                 | Τ            | T        | П        |                | T                  |              |  |          |              |
|          | 12   | П                 | T            | T        | П        | Г              |                    |              |  |          |              |
|          | 13   | Π                 | 1            | T        | T        | Г              | 1                  |              | 1  |          |              |
|          | 14   | -                 | 1            | t        | 1        | -              | 1-                 |              |  |          | b            |
| <b></b>  | 15   | $\parallel$       | Ť            | t        | 1        | Т              | 1                  | 1            | 1  | Г        |              |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | $\dagger \dagger$ | T            | t        | T        |                | T                  | 1            | T  |          | П            |
|          | 17   | $\dagger \dagger$ | t            | t        | 11       | T              | +                  |              | <del>                                     </del> | T        |              |
|          | 18   | Ħ                 | †            | t        | ₩        | T              | T                  | $\vdash$     | 1  |          |              |
|          | 19   | ╁                 | +            | t        | 1/       | <del>  -</del> | T                  | <del> </del> | 十  | -        | П            |
|          | 19<br>20<br>21<br>22                         | ╁╁                | t            | t        | Ľ        | 1              | ╁┈                 | T            | +  | 1        | -            |
|          | 21   | ╁                 | $^{+}$       | t        | Е        | ╁              | +                  | $\vdash$     | $\vdash$   | 十        | <del> </del> |
|          | 22   | H                 | +            | t        | A        | H              | +                  | $\vdash$     | +  | 1        | -            |
| -        | 23   | H                 | +            | t        | 14       | ╁              | +                  | +            | +  | ╁        | <del> </del> |
|          | 24   | H                 | +            | †        | ╁        | ╁              | +                  | +            | +-   |          | ├            |
|          | 24<br>25                                     | ╁╂                | +            | ╁        | ╁╁       | +              | +-                 | ╁            | ┼  | ╁        | ┢            |
| <b> </b> | 20   | H                 | +            | +        | H        | +              | +                  | +            | ╫  | ╁        | ├            |
|          | 26<br>27<br>28                               | +1                | +            | +        | H        | ╁              | +-                 | +            | ╁  | ╁        | <del> </del> |
| -        | 27   | $\vdash$          | ₽            | +        | Н        | +              | +-                 | +            | ╁  | ┼        | ┝            |
| -        | 20   | ┼┤                | 4            | +        | ₩        | ╁              | +                  | ┼            | +  | -        | $\vdash$     |
|          | 29<br>30                                     | Н                 | 4            | +        | ₩        | ╁              | +                  | +            | +  | +        | ┼            |
|          | 30   | H                 | 4            | +        | ₩        | <del> </del>   | +                  | +-           | +  | ┼        | ₩            |
|          | 31   | +                 | +            | +        | ₽        | ╀              | +                  | +-           | +  | -        | 1-           |
|          | 32   | Ц                 | ٨,           | J,       | Ц,       | +              | +-                 | +            | +  | $\vdash$ | $\vdash$     |
| -        | 33   | A                 | 1            | <u>v</u> | ¥        | +              | +                  | +            | +  | +-       | ┼            |
|          | 34<br>35                                     | $\mu$             | 4            | <u> </u> | u        | +              | +                  | 4            | +  | +        | 1-           |
|          | 35   | $\perp$           | 4            |          | 1        | +              | +-                 | +            | -  | +        | $\vdash$     |
| -        | 36   | +                 | 4            | _        | +        | +-             | $\perp$            | $\perp$      | +  | ┼        | -            |
| <u> </u> | 37   | 1                 | +            | _        | ┼-       | +              | +                  | +            | +  | +-       | ⊢            |
|          | 38   | $\perp$           | 4            | _        | +        | $\perp$        | - -                | +            | +-   | +        | ┼            |
| <u> </u> | 39   | $\perp$           | 4            |          | $\vdash$ | 1              | $\bot$             | +-           | +  | +-       | $\vdash$     |
| <u> </u> | 40   | $\perp$           | 4            |          | +        | 4              | +-                 | +            | +  | +        | 1            |
|          | 41   | 1                 | 4            |          | $\perp$  | $\perp$        | 4                  | $\bot$       | +  | 4        | ļ            |
| ļ        | 42   | $\perp$           | 1            |          | 1_       | 1              | +                  | 4            | 4  | ╁-       | +-           |
| <u> </u> | 43   | 1                 | 1            |          | 1        | 1_             |                    | $\perp$      | +  | 1        | 1—           |
|          | 44   | 1                 | 1            |          | 1        | L              | $\perp$            | 1            | 4  | 1_       | 4-           |
|          | 45   |                   | $\perp$      |          | 1        | $\perp$        |                    | $\perp$      |  | $\perp$  | 1_           |
|          | 46   |                   |              | _        |          | 1              | $\perp$            | $\perp$      | 1_   | 1_       | 1            |
|          | 47   |                   |              |          | $\perp$  |                |                    | $\perp$      | $\perp$  | 1        | ļ            |
|          | 48   | Ι                 |              | _        | Γ        | Ι              |                    |              | Ĺ  | Ţ        | $\perp$      |
|          | 49   |                   |              |          | Ι        |                | $oxed{\mathbb{T}}$ |              | L  |          | 1            |
|          | 50   |                   | 7            | _        | Τ        | T              |                    |              | Τ  |          | L.,          |

| ſ | Cla         | im             |  |          |         |           | С | ate          | ;  |              |  |           | ŀ |
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|   |             |                |  |          | T       | T.        | T | T            |  |              |  |           | ı |
|   | 75          | Original       |  |          | l       | ł         |   |              |  | Į            |  |           | ı |
|   | Final       | ΞĒ             |  |          | l       |           |   | l            | ı  | ı            |  |           | ŀ |
|   | ۳ ا         | ŏΙ             |  |          | 1       |           | - |              |  |              |  |           | ŀ |
|   |             | E4             | _  | _        | ┼       | +         | + |              |  |              | -  |           | ŀ |
|   |             | 51<br>52       | _  |          | ⊢       | +         | - | $\dashv$     | $\dashv$   | $\dashv$     |  |           | ľ |
| ļ |             | 52             |  |          | -       | +         | 4 | $\dashv$     | $\dashv$   |              |  |           |   |
|   |             | 53<br>54       |  |          | 1       | 4         | 4 | _            |  | _            | _  |           | l |
|   |             | 54             |  |          | ļ.,     | $\perp$   | _ | _            |  |              |  |           |   |
|   |             | 55             |  |          |         | ┵         |   |              |  | _            |  |           | l |
|   |             | 56             |  |          |         |           |   |              |  |              |  |           | l |
|   |             | 57             |  |          | l       |           |   |              |  |              |  |           | ľ |
|   |             | 58<br>59       |  |          |         | Т         |   |              |  |              |  |           |   |
|   |             | 59             |  |          | T       | Т         |   |              |  |              |  |           | l |
|   |             | 60             |  |          |         | Т         |   |              |  |              |  |           | l |
|   |             | 61             |  |          | 1       | T         |   |              |  |              |  |           | l |
|   |             | 62             |  | <u> </u> | T       | Ť         | - | -            |  |              |  |           | ١ |
|   |             | 63             |  |          | T       | $\dagger$ | _ |              | _  | _            | $\Box$   |           | 1 |
|   |             | 64             |  |          | 1       | +         | x |              |  |              |  |           | l |
|   | <del></del> | 65             | -  | $\vdash$ | +       | +         |   |              | H  | -            | $\vdash$   |           | ١ |
|   |             | 66             |  | ⊢        | +       | +-        | - |              |  |              |  |           | l |
| Ġ |             | 67             | ⊢  | ┝        | ╫       | +         | - |              | -  |              |  |           | ł |
|   |             | 60             | ┝  |          | +-      | +         | _ |              | ┝  | _            | $\vdash$   |           | ł |
|   |             | 68             |  | ⊢        | +-      |           | _ |              | ļ  | -            | $\vdash$   |           | 1 |
|   |             | 69             |  | ┡        | +       | +         | _ |              | <u> </u>   |              | Н  |           | 1 |
|   | <u></u>     | 70             |  | L        | 4_      | 4         |   |              | L  |              | Ш  |           | 4 |
|   |             | 71             | <u></u>  | L.       | $\perp$ | _         |   | _            |  |              |  |           | 4 |
|   |             | 72             | <u> </u>   |          | 1       |           | _ |              |  |              |  |           | 1 |
| ť |             | 71<br>72<br>73 |  | <u> </u> |         | $\perp$   |   |              |  | L            |  |           | 1 |
|   |             | 74             |  | 1        |         |           |   |              |  |              |  |           |   |
|   |             | 74<br>75       |  |          |         | T         |   |              |  |              |  |           | 1 |
|   |             | l 76           |  | П        | T       |           |   |              | Г  |              |  |           | 1 |
|   |             | 77<br>78<br>79 | Ī  | 厂        | 7       | T         |   |              |  |              |  |           | 1 |
|   |             | 78             | Γ  | T        | $\top$  | 7         |   |              | Γ  |              |  |           | 1 |
|   |             | 79             |  | T        | $\top$  | +         | _ | $\vdash$     |  |              |  |           | 1 |
|   |             | 80             | <u> </u>   | T        | +       | +         |   |              | -  | Т            |  |           | 1 |
|   | -           | 81             |  | t        | +       | +         |   |              | $\vdash$   |              | -  | <b></b> - | 1 |
|   |             | 82             | <del>  -                                    </del> | t        | +       | -         | - |              |  |              | <del>                                     </del> | $\vdash$  | 1 |
|   | -           | 83             | -  | $\vdash$ | 十       | +         |   | <del> </del> | $\vdash$   | t            | <del>                                     </del> | $\vdash$  | 1 |
|   | <b></b>     | 84             | $\vdash$   | -        | +       | +         | - | $\vdash$     | <del>                                     </del> | -            | T  | -         | 1 |
|   |             | 85             | +  | +        | +       | +         |   | -            | $\vdash$   | +            | $\vdash$   | -         | - |
|   | -           | 86             | $\vdash$   | +        | +       | +         | _ | +            | +-   | $\vdash$     | <del>  -</del>                                   |           | - |
|   | <del></del> | 00             | +-   | +        | +       | +         |   | ├            | $\vdash$   |              | -  | $\vdash$  | - |
|   |             | 87             | -  | ╀        | +       | +         | _ | +-           | ⊢  | -            | $\vdash$   |           | _ |
|   | <u></u>     | 88             | $\vdash$   | +-       | +       | -         |   | $\vdash$     | -  | $\vdash$     | ┼  | ⊢         | _ |
|   |             | 89             | ـ  | +        | +       | +         |   | <del> </del> | 1  | ├-           | -  | $\vdash$  |   |
|   |             | 90             | -  | $\perp$  | 4       | +         | _ | 1-           | 1  | <del> </del> | 1  | -         | _ |
|   |             | 91             | _  | 1-       | 1       | 4         |   | -            | ↓_   | 1_           | 1  | -         |   |
|   |             | 92             | $\perp$  | $\perp$  |         | 4         | _ | 1_           |  | <u> </u>     | ↓_   | L         | _ |
|   |             | 93             | 1  | _        | $\perp$ | $\perp$   |   | $\perp$      | _  | 1_           | $\perp$  | <u> </u>  | _ |
| ï | L           | 94             |  |          | $\perp$ |           |   |              |  | L            | _  | L         |   |
|   |             | 95             | $L^{T}$  | 1        | Ţ       |           |   | L            |  | L            | $\perp$  | L         | _ |
|   |             | 96             |  | Γ        | T       |           |   |              |  |              |  | Ĺ         | _ |
| - |             | 97             |  | T        | 1       | 7         |   | Π            |  |              |  |           | _ |
|   |             | 98             | T  | T        | T       | _         |   | 1            | Τ  |              |  |           |   |
| E |             | 99             | 1  | T        | $\top$  | $\dashv$  |   | T            | 1  |              | Τ  | T         | _ |

| Cla      | aim               | Date   |              |              |   |          |              |              |              |          |  |
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|          |                   |  |              |              |   |          |              |              |              |          |  |
| Final    | Original          | 1  |              |              |   |          |              |              |              |          | ļ  |
| Ξ̈       | )rig              |  |              |              | ١ |          |              |              |              |          | Ì  |
|          | 1                 |  |              |              |   |          |              |              |              |          |  |
|          | 101               |  |              |              |   |          |              |              |              |          |  |
|          | 102               |  |              |              | 1 |          |              |              |              |          |  |
|          | 103               |  |              | L            | 1 |          |              |              |              |          |  |
|          | 104               |  |              | ļ            | 1 |          |              |              |              | $\Box$   |  |
|          | 105               |  |              | ļ            | 1 |          |              |              |              |          |  |
|          | 106               |  |              | ┡            | 4 |          |              |              |              | _        |  |
|          | 107               |  |              | -            | + |          | $\vdash$     | $\vdash$     |              |          |  |
|          | 108               |  |              | -            | + |          | <del> </del> |              |              |          | $\dashv$   |
|          | 109<br>110        |  | _            | -            | + | _        | -            |              | -            |          | $\dashv$   |
|          | 111               | $\vdash$   | -            | ╁╌           | + | _        |              | -            | -            |          |  |
|          | 112               |  | -            | +            | + |          | $\vdash$     | ├            |              | -        |  |
|          | 113               |  | $\vdash$     | +-           | + |          | $\vdash$     | -            | $\vdash$     | -        |  |
|          |                   | -  | -            | +            | _ |          |              |              |              |          |  |
|          | 115               | <del>                                     </del> |              | t            | + |          | $\vdash$     | <del> </del> |              |          | H  |
|          | 116               | -  |              | t            | 1 |          | 1            |              | -            |          | $\Box$   |
|          | 117               | <b>!</b>   |              | 1            | + |          |              | <b>-</b>     |              |          | П  |
|          | 118               | 1  |              | ╁            | 1 |          |              | 1            |              |          |  |
|          | 119               | Г  | -            | T            | 1 |          |              |              | _            |          |  |
|          | 120               |  |              | 1            | 1 |          |              | 1            |              |          |  |
|          | 120<br>121        |  |              | T            | 1 |          |              |              |              |          |  |
|          | 122               |  |              |              | ٦ |          |              |              |              |          |  |
|          | 123<br>124<br>125 |  |              |              |   |          |              |              |              |          |  |
|          | 124               | L  |              |              |   |          | L            |              | $oxed{oxed}$ |          | Ш  |
|          | 125               | <u> </u>   |              | ↓_           | _ |          | <u> </u>     |              | L.           | _        |  |
|          | 126               | ļ  | <u> </u>     | 1            | 4 |          | <u> </u>     | ┞            | <u> </u>     | ļ        | Ш  |
|          | 127               | <u> </u>   | _            | 1            |   |          | 1            | ـ            | -            | <u> </u> |  |
|          | 128<br>129        | <u> </u>   | ┡            | $\perp$      | _ |          | ┡            |              | ┡            | ├        | H  |
|          | 129               | -  | -            | +            | _ |          | 1            | ╀            | -            | ļ        |  |
| <u> </u> | 130               |  | $\vdash$     | +            | - |          |              | -            | -            | -        | ļ  |
| <u> </u> | 131<br>132        | -  | ├-           | +            | _ | _        | ╁            | -            | ╁            | ┼        | -  |
|          | 133               | ┼  | $\vdash$     | +            |   |          | $\vdash$     |              | $\vdash$     | $\vdash$ | $\vdash$   |
|          | 134               | ┼  | <del> </del> | +            |   | -        | ╁            | ╁            | ╁─╴          | ┼        |  |
|          | 135               | ╁╌   | ╁╴           | $^{+}$       | _ |          | +            | +            | ╁┈           | ╁        | <del>                                     </del> |
|          | 136               | ╁  | +            | ╁            | - |          | +            | +            | $\vdash$     | $\vdash$ | $\vdash$   |
|          | 137               | $\vdash$   | T            | t            | _ |          | 1            | T            | 1            |          | +  |
|          | 138               | <b>†</b>   | $\vdash$     | +            |   |          | t            | T            | 1            | 1        | 1  |
|          | 139               |  | T            | T            | _ |          | 1            | 1            | 1            | 1        | 1  |
|          | 140               | T  | T            | T            |   |          | 1            |              |              |          |  |
|          | 141               | 1  | T            | T            |   |          |              | T            |              | T        | Π  |
|          | 142               |  | Ι            |              | _ |          | I            |              |              |          |  |
|          | 143               |  |              | I            | _ |          |              |              |              |          |  |
|          | 144               |  |              | Ι            | _ |          |              |              |              | L        |  |
|          | 145               |  |              |              | _ |          | L            |              | L            | $\perp$  |  |
|          | 146               |  | L            | $\perp$      |   |          | L            |              |              |          |  |
|          | 147               | <u> </u>   | L            | 1            |   |          | 1            | 1_           | 1_           | 1_       | _  |
|          | 148               |  | 1            | $\downarrow$ |   | L        | 1            |              | <u> </u>     | 1_       | 1  |
|          | 149               | <del> </del>                                     | $\downarrow$ | $\downarrow$ |   | <u> </u> | $\bot$       | +            | 1            | 1        | $\perp$  |
| ·L       | 150               |  |              | Т.           |   | _        |              |              |              |          |  |